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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/068,278	02/06/2002	Tom-Chin Chang	JCLA7880	9725

7590
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EXAMINER

LEE, CHEUKFAN

ART UNIT PAPER NUMBER

2625

DATE MAILED: 04/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/068,278	Applicant(s) CHANG ET AL.	
	Examiner Cheukfan Lee	Art Unit 2625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 January 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 2-4 is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☒ Claim(s) 1 and 5-16 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06 February 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.

- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.


Cheukfan Lee

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1. Claims 1-16 are pending. Claims 9-16 are newly added. Claims 1, 2, 6, and 13 are independent.

2. This application is in condition for allowance except for the following formal matters:

In claim 1, line 12, "can be" should be changed to—~~are~~—in order to be definite.

In claim 5, line 6, "can be" should be changed to—~~are~~—in order to be definite.

In claim 6, line 10, "can be" should be changed to—~~are~~—in order to be definite.

In claim 11, "can be" should be changed to—~~are~~ --.

In claim 12, "can be" should be changed to—~~are~~ --.

In claim 13, line 4 (two occurrences), "can be" should be changed to—~~is~~ --; and

lines 2 and 5, "and/or" should be amended to either—~~and~~— or —~~or~~—in order to clarify which one of the two limitations "and" and "or" is the intended claim limitation.

In claim 16, line 2, "and/or" should be amended to either—~~and~~— or —~~or~~—in order to clarify which one of the two limitations "and" and "or" is the intended claim limitation.

Claims 1, 5, 6, 11-13, and 16 are objected to in this Office Action. Claims 7-10, 14, and 15 are objected to as being dependent on an objected claim.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

3. The following is an examiner's statement of reasons for allowance:

Claim 1 would be allowable over the prior art of record because the closest prior art Takahashi et al. (U.S. Patent No. 5,929,899) does not disclose dividing the data into a first group containing odd-numbered pixel data and a second group containing even-numbered pixel data, in combination with other limitations of claim 1.

Claim 6 is allowable over the closest prior art Takahashi et al. (5,929,899) because Takahashi et al. does not disclose dividing the pixels from a scan line corresponding to a primary or a secondary color into groups. The G, B, or R pixels of Takahashi et al. are not divided into groups as claimed.

Claim 2 as amended recites "dividing data obtained by scanning a line of pixels into groups" and "arrange a plurality of primary or secondary color data constituting a pixel into a fixed sequence in said memory unit", among other limitations. This combination of features is not taught by Takahashi et al. (5,929,899).

New claim 13, an apparatus claim, claims limitation similar to those of claim 6 but in an apparatus form. Claim 13 would be allowable for the reason given for claim 6.

Claims 3 and 4 are allowable for the reason given for claim 2 for being dependent on allowed claim 2.

Claims 5, 7-12, and 14-16 would be allowable for the reasons given for claims 1, 2, 6, or 13, for being dependent on claims 1, 2, 6, or 13.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cheukfan Lee whose telephone number is (571) 272-7407. The examiner can normally be reached on 9:30 a.m. to 6:00 p.m., Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward L. Coles can be reached on (571) 272-7402. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Cheukfan Lee
March 30, 2006



Cheukfan Lee